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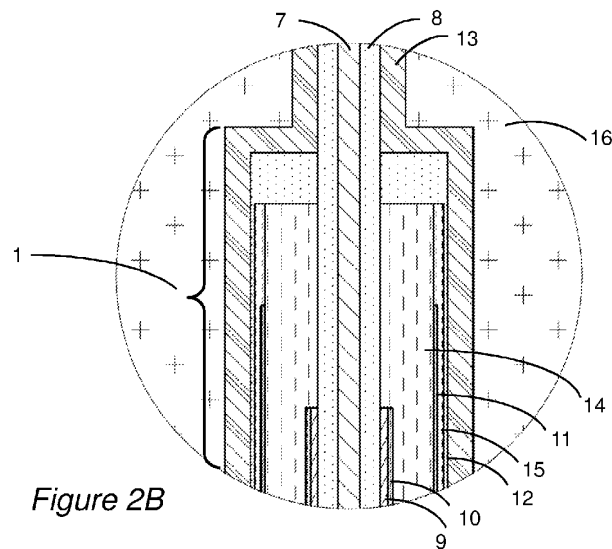


Figure 2B

(57) Abstract: A microwave antenna apparatus comprises a radiating element configured to perform a treatment, the treatment comprising heating a volume of tissue using microwave radiation emitted from the radiating element; a cooling structure arranged for flowing a coolant through at least one lumen of the cooling structure during the treatment; and a controller configured to control the flow of coolant such as to provide a first flow rate of coolant through the at least one lumen during a first period of the treatment and to provide a second, different flow rate of coolant through the at least one lumen during a second, later period of the treatment.

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